Applicants believe that no fees are due as a result of this amendment. In the event of a fee discrepancy, please charge our Deposit Account No. 50-0552.

Respectfully submitted,

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VERSION OF SPECIFICATION AMENDMENTS WITH MARKINGS TO SHOW CHANGES

[0032] Moreover, the objective is achieved by an ideal optical system which is manufactured according to a method according to the present invention and/or using a [devices] device according to the present invention, the optical system including elements made of materials which are suitable for implantation and/or for adhesion and/or for ablation, in particular plastic or glass. By selecting these materials of the lens system according to the present invention, compatibility in using these elements is guaranteed. Such materials are, for example, PMMA, acrylic, silicone, or a combination of these materials.

VERSION OF CLAIMS AMENDMENTS WITH MARKINGS TO SHOW CHANGES MADE

1. A method for correcting[, in particular refractive] visual defects of an eye [(1),] comprising:

a coherent light source [(4)],

a beam modification device [(5)] for shaping and deflecting a beam of the coherent light source [(4)], and

[wherein provision is made for] a wavefront analyzer device [(2)] for analyzing a wavefront of [the] an optical path in the eye [(1)].

2. The device as recited in Claim 1, further comprising

[wherein, in addition, provision is made for] a topography analyzer unit [(2')] for analyzing the surface of the eye [(1)].

3. The device as recited in [one of the preceding claims which are related to a device] claim 1,

[wherein, moreover, provision is made for] further comprising a control unit [(3)] for at least one of processing signals of the wavefront analyzer unit [(2) and/or

for]; processing signals of the topography analyzer unit [(2') and/or] ;

for controlling the coherent light source [(4) and/or]; and
for controlling the beam modification device [(5)].

4. The device as recited in [one of the preceding claims which are related to a device] claim 1,
wherein the beam modification device [(5)] is designed in such a manner that at least one of an intraocular lens [and/or]; an eye lens [and/or]; the cornea of the eye [(1) and/or]; a contact lens [and/or]; an implantable contact lens (ICL) [and/or]; and a spectacle lens are processable via the beam.

5. The device as recited in [one of the preceding claims which are related to a device,] claim 1,
wherein the coherent light source [(4)] is a laser[, in particular a spot scanning excimer laser system].

6. The device as recited in [one of the Claims 3 through 5] claim 3,
wherein the control unit [(3)] is designed in such a manner that the analysis of the optical path in the eye [(1)] and/or the analysis of the surface of the eye [(1)] can be carried out virtually simultaneously with the processing of an optical element via the beam of the coherent light source [(4)].

7. A method for correcting[, in particular refractive] visual defects of an eye [(1), in particular using a device as recited in the preceding claims,] comprising:
determining an [wherein the] optical path of the eye [is determined] via a wavefront analysis; and
calculating an ideal optical system [is calculated] which would result in a correction of the visual defects of the eye [(1)].

8. The method as recited in Claim 7, further comprising analyzing[wherein] the topography of the eye [(1) is analyzed as well].

9. The method as recited in [one of the preceding method claims] claim 7, wherein the ideal optical system is provided [on the basis of the] as a function of data obtained from at least one of the wavefront analysis [and/or from] and the topography analysis.

10. The method as recited in [one of the preceding method claims] claim 7, further comprising calculating [wherein, moreover,] shot positions for manufacturing the ideal optical system [are calculated with the assistance of the] as a function of data obtained from at least one of the wavefront analysis [and/or from] and the topography analysis.

11. The method as recited in [one of the preceding method claims,] claim 7 further comprising reshaping
[wherein] the old optical system of the eye [(1) is reshaped] into the calculated ideal optical system.

12. The method as recited in [one of the preceding method claims] claim 7, wherein the optical system includes at least one of the eye lens ; [and/or] an intraocular lens; [and/or] the cornea of the eye; [and/or] a contact lens; [and/or] an ICL; and [and/or] at least one spectacle lens.

13. An ideal optical system manufactured according to [one of the preceding method claims and/or using one of the devices as recited in the preceding claims which are related to devices,] the method of claim 7 wherein the optical system includes elements made of materials which are suitable for at least one of implantation [and/or]; [for] adhesion [and/or for]; and ablation[, in particular plastic or glass].

14. The ideal optical system as recited in [one of the preceding claims which are related to an optical system,] claim 13
wherein the optical system includes elements having refractive and/or diffractive structures.

16. [The use of a] <u>The</u> method as recited in [one of the preceding method claims and/or of a device] <u>claim 7</u> [as recited in one of the preceding claims which are related to devices, for] <u>further including</u> completely correcting a visual defect of an eye.